Natural Selection Foldable

Objective
The student will describe the processes of immigration, genetic drift and adaptive radiation.
The student will be able to give an example of a species that developed as a result of immigration, genetic drift and adaptive radiation.

Ohio Academic Content Standard
Life Science H: Describe a foundation of biological evolution as the change in gene frequency of a population over time. Explain the historical and current scientific developments, mechanisms and processes of biological evolution. Describe how scientists continue to investigate and critically analyze aspects of evolutionary theory.

Materials
2 sheets of blank paper per student
Stapler
Scissors
Markers
Access to internet

Procedure
Making Foldable
• Fold first paper, lengthwise (hotdog fold) making fold 2 inches from the top.

• Fold the second sheet of paper lengthwise (hotdog fold) making fold 3 inches from the top.

• Place the fold of the second sheet inside the first sheet, matching folds. If done correctly your papers should look like a sideways book. The flaps will not line up. Each flap will be shorter than the flap below it.

• Staple the foldable together near the fold
• Cut the second and third flaps ONLY into equal thirds.

Labeling foldable
- label the top flap natural selection

<table>
<thead>
<tr>
<th>Natural selection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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- label the second flaps immigration, genetic drift and adaptive radiation
- label the third flap definitions
- label the fourth flap examples

<table>
<thead>
<tr>
<th>Natural selection</th>
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<tbody>
<tr>
<td>imm.</td>
</tr>
<tr>
<td>gen drft</td>
</tr>
<tr>
<td>adp rdn</td>
</tr>
<tr>
<td>definitions</td>
</tr>
<tr>
<td>examples</td>
</tr>
</tbody>
</table>

Research, definitions & examples
- students use the internet to find the definition of these words as they apply to natural selection. The definitions should be written on the third flap. The definition for adaptive radiation should be written under here.
- Students should find example of species that have evolved because of the process of immigration, genetic drift or adaptive radiation. Students should write the name of the species on the last flaps. Students should print a picture of the animal or draw the animal on the bottom flap.